RG104 E-1 Box 129 June-Sep 1883

Mint of the United States at Philadelphia,

MELTING AND REFINING DEPARTMENT,

Philadelphia, 13. Aug —, 1883.

Hon A. L. Snowden

Superintendent

Dear Sir,

The process we pursue at the Mint at Philad^a for Refining or Parting is the Old Process of melting Silver and Gold together, in the ratio of 2 Silver to 1 Gold (first devised by Pettenkofer in 1848 or 9,) and then dissolving out the Silver by Nitric acid of 40^o Beaumé. The Silver is recovered by conversion into chloride, and the reduction of the latter by zinc.

Respectfully yours

J. P. C. Booth

RG104 E-1 Box 129 June-Sep 1883

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Mint of the United States at Philadelphia,

MELTING AND REFINING DEPARTMENT,

Aug. 13, 1883.

Jas. C. Booth

Melter and Refiner.

Explaining Mint Mint process of Parting & Refining Gold and Silver Bullion.

In reply to inquiry by Prof. Thomas Egleston, N.Y. Aug 14/83

No. of Enclosures, 5

Recd Aug 13/83

NARA RG104, Entry 1, Box 129

[Abstract:] Explains Mint process of parting & refining gold and silver bullion. In reply to inquiry by Prof. Thomas Eglester, N.Y. Aug. 4 /83.

Mint of the United States at Philadelphia,
Melting and Refining Department,
Philadelphia,
August 13, 1883

Hon. A.L. Snowden
Superintendent

Dear Sir,

The process we pursue at the Mint at Philada. for Refining or Parting is the Old Process of melting silver and gold together, in the ratio of 2 silver to 1 Gold (first devised by Pettenkofer in 1848 or 9), and then dissolving out the silver by Nitric acid of 40º Beanmé. The silver is recovered by conversion into chloride, and the reduction of the latter by zinc.

Respectfully yours,
Jas. C. Booth